

# Injury-related Hospital Discharges

2011\*

## MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 <sup>2</sup>
	Uninten- tional	Intentional		Undeter- mined	Other & Legal <sup>1</sup>			
		Self- Inflicted	Assault					
Cut/pierce	591	562	361	<7	0	1,520	2.4	23.1
Drowning/submersion	37	<7	0	0		38	0.1	0.6
Fall	28,158	42	<7	23		28,226	45.5	428.5
Fire/burn	490	21	<7	12		529	0.9	8.0
<i>Fire/flame</i>	186	19	<7	12		218	0.4	3.3
<i>Hot object/substance burn</i>	304	<7	<7	0		311	0.5	4.7
Firearms	51	7	216	18	11	303	0.5	4.6
Machinery	172					172	0.3	2.6
Natural/environmental	1,291	<7		18		1,313	2.1	19.9
<i>Dog bites</i>	196	0		0		196	0.3	3.0
<i>Other bites &amp; stings</i>	645	0		0		645	1.0	9.8
<i>All other</i>	450	<7		18		472	0.8	7.2
Overexertion	830					830	1.3	12.6
Poisoning	3,299	3523	<7	677	0	7,503	12.1	113.9
Struck by, against	1,293		670		12	1,975	3.2	30.0
Suffocation/hanging	611	49	<7	<7		665	1.1	10.1
Transport Injuries:	4,368	12	<7	<7		4,387	7.1	66.6
<i>Motor vehicle traffic-related</i>	3,434	12	<7	<7		3,453	5.6	52.4
<i>Occupant</i>	2,081					2,081	3.4	31.6
<i>Motorcyclist</i>	500					500	0.8	7.6
<i>Pedal Cyclist</i>	115					115	0.2	1.7
<i>Pedestrian</i>	590					590	1.0	9.0
<i>Other person</i>	23					23	0.0	0.3
<i>Unspecified person</i>	125					125	0.2	1.9
<i>Pedal cyclist, other</i>	412					412	0.7	6.3
<i>Pedestrian, other</i>	50					50	0.1	0.8
<i>Other transport</i>	472					472	0.8	7.2
Other specified & classifiable	2,662	7	180	0	<7	2,850	4.6	43.3
<i>Human bites</i>	39	0	51	0	0	90	0.1	1.4
<i>Non-powder guns</i>	<7	<7	0	0	0	<7	0.0	--
<i>Other specified &amp; classifiable</i>	2,622	<7	129	0	<7	2,758	4.4	41.9
Other specified, not classifiable	1,125	143	261	83	32	1,644	2.6	25.0
Unspecified	3,488	17	156	36	<7	3,701	6.0	56.2
Adverse effects <sup>3</sup>						3,089	5.0	46.9
Cause and Intent are not provided						3,333	5.4	50.6
TOTALS <sup>4</sup>	48,466	4,388	1,865	877	60	62,078	100%	942.4
RATE BY INTENT/per 100,000	735.7	66.6	28.3	13.3	0.9			

**Source:** Massachusetts Inpatient Hospital Discharge Database, Center for Health Information and Analysis (CHIA)

\*All CHIA data sets are based on a fiscal year. The numbers provided here are based on fiscal year: October 1, 2010 - September 30, 2011 and will be different than numbers generated through the Department's query based system MassCHIP.

<sup>1</sup> Legal Intervention includes injuries resulting from police actions and operations of war.

<sup>2</sup> Counts less than 7 are suppressed and rates are not calculated. Rates that are based on counts less than twenty may be unstable.

<sup>3</sup> Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

<sup>4</sup> Totals do not include subcategory counts. Total percentage may be less or more than 100% due to rounding, but is presented here as 100%.

—An injury hospitalization is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)]

—Categories and groupings are based on the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Only Massachusetts residents are included in this analysis.

—Injury hospitalization cases transferred to another acute care facility or subsequently dying in the hospital, are excluded from this analysis.

—Population data used to calculate rates are based on 2011 population estimates by the US Census Bureau. Estimated 2011 Massachusetts population is 6,587,536. Rates are per 100,000 residents.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, July 2013.